IN THE CLAIMS:

New claim 12 has been added. Claims 8 through 11 were previously cancelled without prejudice or disclaimer. All of the pending claims are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of Claims:

1. (Previously Amended) A mandrel for a gas lift valve (15) which comprises an elongated body, provided with means of connection at its ends, said body provided with a lateral side pocket, (17) and a side receptacle (16) the interior of which is able to house a gas lift valve (13) which injects gas into the interior of the body of the mandrel for the gas lift valve (15) by way of orifices (22) positioned in a nose (18), the mandrel for the gas lift valve (15) characterized by, additionally comprising:

a lower body (23) provided in the lower part of the receptacle for the valve (16) of the side pocket mandrel (15), in that said lower body (23) is configured in a manner to seal the lower part of the valve receptacle (16) to form a chamber (24);

in that the lower body (23) is provided with at least one injection orifice to inject gas upwards into the interior (26) of the body of the mandrel for gas lift valve (15).

2. (Original) Mandrel according to claim 1, wherein said at least one injection orifice comprises a single injection orifice (25).

3. (Previously Amended) Mandrel according to claim 1, wherein said at least one injection orifice comprises a single injection orifice (25), which directs the flow of gas provided by the chamber (24) in a direction tangential to the surface of the interior (26) of the body of the mandrel for the gas lift valve.

4. (Original) Mandrel according to claim 1, wherein said at least one injection orifice comprises a plurality of injection orifices (28).

5. (Previously Amended) Mandrel according to claim 1, wherein said at least one injection orifice comprises a plurality of injection orifices (28), which direct the flow of gas provided by the chamber (24) in a direction tangential to the surface of the interior (26) of the body of the mandrel of said gas lift valve (15).

6. (Previously Amended) Mandrel according to claim 1, wherein said at least one injection orifice comprises a plurality of injection orifices (28), so that part of these injection orifices (28) direct the flow of gas provided by the chamber (24) in a direction tangential to the surface of the interior (26) of the body of the mandrel of said gas lift valve (15) and the remaining injection orifices (28) direct the flow of gas provided by the chamber (24) to the central region of interior (26) of the mandrel of said gas lift valve (15).

7. (Previously Amended) Mandrel according to any one of claims 4 to 6, wherein the injection orifices of the said plurality of openings (28) are able to present one of at least two different geometrical shapes.

8-11. (Canceled)

12. (previously presented) A gas lift mandrel (15), comprising:

a side pocket (17) in a tubing (3);

a valve receptacle (16) positioned in the side pocket (17), comprising:

a valve receptacle wall spaced from an interior surface of the side pocket (17);

a lower body (23) in communication with the valve receptacle wall and defining a chamber (24) between an interior surface of the lower body (23) and the side pocket (17); and

at least one orifice (28) through the lower body (23) and configured to direct the flow of a gas from the chamber (24) to an interior (26) of the gas lift mandrel (15) in a direction tangential to the surface of the interior (26) of the gas lift mandrel (15); and

a gas lift valve (13) positioned between the side pocket (17) and the valve receptacle (16), wherein the gas lift valve (13) is configured to deliver gas to the chamber (24).

13. (New) A gas lift mandrel comprising:

a tubing defining a side pocket therein, said tubing defining a flow path there through;

a valve receptacle structure for retaining a gas valve, said valve receptacle being positioned within said side pocket and within said flow path defined within said tubing, said valve receptacle structure comprising:

a valve receptacle dimensioned to retain a gas valve; and

a lower body, positioned elevationally below said valve receptacle and defining a chamber which communicates with said valve receptacle;

wherein said lower body defines a passageway which is upwardly inclined relative to the horizon, said passageway being disposed to communicate said chamber with said tubing flow path through an orifice defined in said lower body.

14. (New) The gas lift mandrel of claim 13 wherein said orifice is positioned within said flow path of said tubing and spacedly from a sidewall of said tubing.

15. (New) The gas lift mandrel of claim 13 wherein said orifice is positioned elevationally below said valve receptacle.

16. (New) The gas lift mandrel of claim 13 wherein said lower body defines a plurality of upwardly inclined passageways disposed to communicate with said chamber, each of said upwardly inclined passageways having a respective orifice defined in said lower body.

17. (New) The gas lift mandrel of claim 16 wherein each of said orifices is positioned elevationally below said valve receptacle.

18. (New) The gas lift mandrel of claim 13 further comprising a gas lift valve positioned within said valve receptacle.

19. (New) The gas lift mandrel of claim 18 wherein said gas lift valve has an upper injection opening at an upper end of said gas lift valve and a second injection opening disposed in a lower end of said gas lift valve which communicates with said chamber; wherein said upper injection opening facilitates an injection of fluid directly into an interior of said tubing in a direction parallel to said flow path of said tubing.

20. The gas lift mandrel of claim 13 wherein a lower surface of said lower body is upwardly inclined.